

MODEL OL-HRN-RS-MA3

**GUIDE ID** CST\_MA3\_G6\_G5\_20210419

## AVAILABLE ACCESSORIES OL-HRN-RS-PWR

(Adapt to any brand remote start w/ BLADE or OL-MDB-ALL / FL-CAN / ADS-AL-CA)

For RSX-G5 installations see pages 3-11 (OL-HRN-RS-PWR-CST not included but required for G5 units) For RSX-G6 installations see pages 12-21

### See Battery Note on Page 2

DISCLAIMER: The manufacturer of this product nor its affiliates accept any responsibility for any electrical damage to the vehicle or any other connected systems as a result of improper installation of this product. All wiring connections & vehicle compatibility must be verified by a professionally qualified technician prior to installation.

#### VEHICLE COMPATIBILITY

Make	Model	Trim	Years	Firmware	Diagram
Mazda	3	Push-to-Start Hatchback 4 Cyl. Automatic	2014 - 2018	DL-MA3	1
Mazda	3	Push-to-Start Hatchback 4 Cyl. Manual	2014 - 2018	DL-MA3	2
Mazda	3	Push-to-Start Sedan 4 Cyl. Automatic	2014 - 2018	DL-MA3	1
Mazda	3	Push-to-Start Sedan 4 Cyl. Manual	2014 - 2018	DL-MA3	2
Mazda	6	Push-to-Start Sedan 4 Cyl. Automatic	2014 - 2021	DL-MA3	1
Mazda	6	Push-to-Start Sedan 4 Cyl. Manual	2014 - 2019	DL-MA3	2
Mazda	CX-3	Push-to-Start Hatchback 4 Cyl. Automatic	2016 - 2021	DL-MA3	1
Mazda	CX-5	Push-to-Start SUV 4 Cyl. Automatic	2013 - 2021	DL-MA3	1
Mazda	CX-5	Push-to-Start SUV 4 Cyl. Manual	2013 - 2019	DL-MA3	2
Mazda	CX-9	Push-to-Start SUV 4 Cyl. Automatic	2016 - 2021	DL-MA3	1
Mazda	MX-5	Push-to-Start Convertible 4 Cyl. Automatic	2016 - 2021	DL-MA3	1
Mazda	MX-5	Push-to-Start Convertible 4 Cyl. Manual	2016 - 2021	DL-MA3	3

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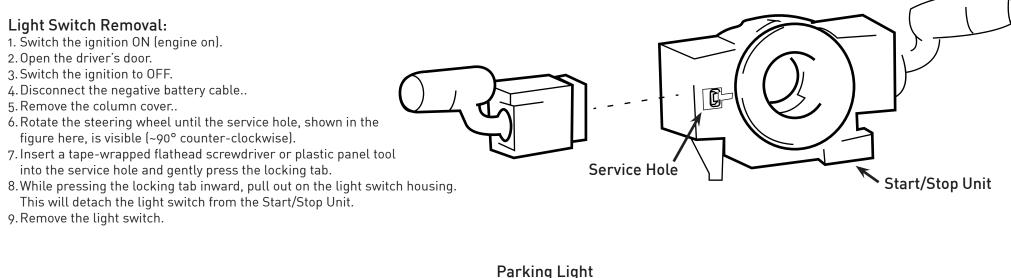
### MODEL: OL-HRN-RS-MA3

**Installation Precaution** 

# **NOTE**: Disconnect vehicle's negative battery cable before attempting installation. Failure to do so can cause damage to the Start/Stop Unit!

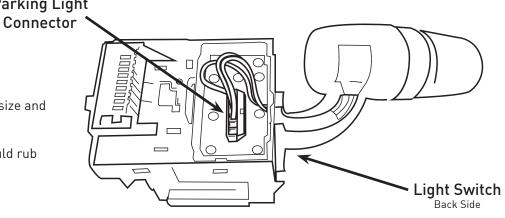
#### **Parking Light Connector Location**

NOTE: When removing the light switch, it is necessary to rotate the steering wheel. If the ignition is switched OFF from ON (engine on) with the driver's door closed, the steering wheel is locked. Perform the procedure in Steps 1 to 3 so that the steering wheel is not locked.



### Parking Light Wiring:

- 1. Locate the clear cover on the back side of the Light Switch.
- 2. Remove the clear cover and locate the parking light connector.
- 3. Route wires thru the clear cover and Start/Stop Unit as needed.
- 4. Make the needed connections (see diagram for your vehicle).
- It is recommended to make all connections with soldier and heat shrink to reduce size and ensure the clear cover and light switch will fit together properly.
- 5. Secure wires in Light Switch and install clear cover.
- 6. Re-install Light Switch and ensure all wires are not near any moving parts that could rub or pinched causing short circuit or failure.



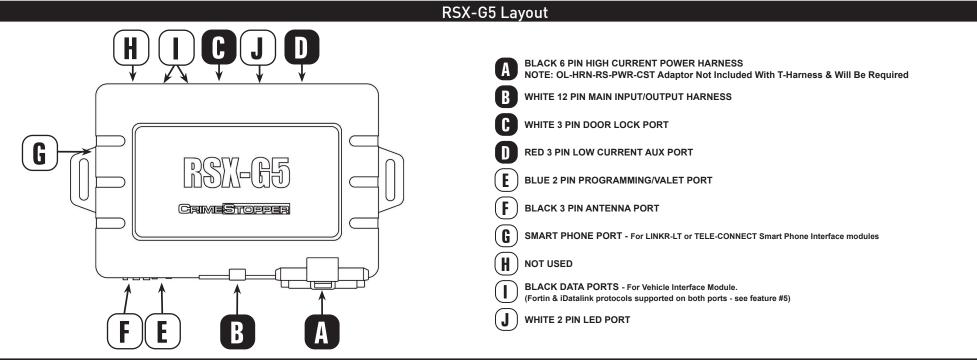
## **CRIME**STOPPER

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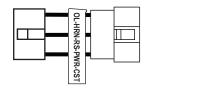
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#### **OL-HRN-RS-PWR-CST Required**



The OL-HRN-RS-PWR-CST re-configures the 6-pin (A) High Current Outputs to be compatible with the Excalibur T-Harness. This adaptor is required for proper operation. In some instances features #4 & #26 will need set to options other than default. In those situations there will be a note indicated the needed settings.

#### **RSX-G5 Installation Steps**

#### INSTALLATION STEPS:

1) Go to www.OmegaWeblink.com or use WebLink Mobile to flash the bypass module with the firmware matching the vehicle.

NOTE: iDatalink 2-way protocol is recommended for full functionality.

NOTE: If OEM remote is being used to activate the remote start be sure "Factory keyless RS sequence" is set to "Lock + Lock" OR "Lock + Unlock + Lock"

NOTE: For Manual Transmission vehicles Feature #11 MUST be set to the desired setting for proper operation.

2) Make all the connections shown in the diagram on the following pages.

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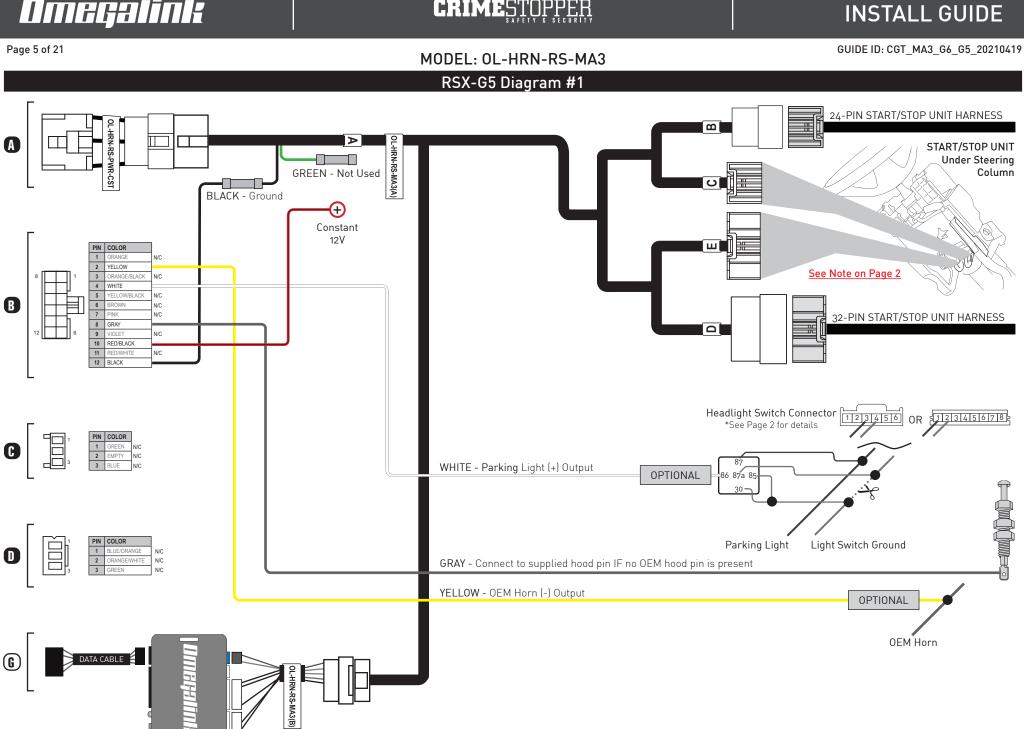
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### MODEL: OL-HRN-RS-MA3

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## Wire Location Chart Diagram #1

Make	Model	Trim	Year	ltem	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
				Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	3	Push-to-Start Hatchback Automatic	2014 - 2018	Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
		Automatic		Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Lights	White	6	3	YELLOW	(-)	In Headlight Switch Housing
Mazda	3	Push-to-Start Sedan Automatic	2014 - 2018	Light Switch Ground	White	6	4	GREEN	[-]	In Headlight Switch Housing
				Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	6	Push-to-Start Sedan Automatic	2014 - 2020	Light Switch Ground	White	6	4	GREEN	(-)	In Headlight Switch Housing
				Horn	White	14	1	BLUE	[-]	Clock Spring Connector
			2021 - 2021	Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	6	Push-to-Start Sedan Automatic		Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	BLUE	[-]	Clock Spring Connector
		Push-to-Start Hatchback Automatic	2016 - 2021	Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	CX-3			Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
		Automatic		Horn	White	14	1	PINK	[-]	Clock Spring Connector
		Push-to-Start SUV Automatic		Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	CX-5		2013 - 2020	Light Switch Ground	White	6	4	GREEN	[-]	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	[-]	Clock Spring Connector
				Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	CX-5	Push-to-Start SUV Automatic	2021 - 2021	Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	[-]	Clock Spring Connector
				Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	CX-9	Push-to-Start SUV Automatic	2016 - 2021	Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	WHITE/BLACK	[-]	Clock Spring Connector
				Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	MX-5	Push-to-Start Convertible Automatic	2016 - 2021	Light Switch Ground	White	8	2	BLACK	(-)	In Headlight Switch Housing
		Automatic		Horn	White	14	1	PINK	[-]	Clock Spring Connector



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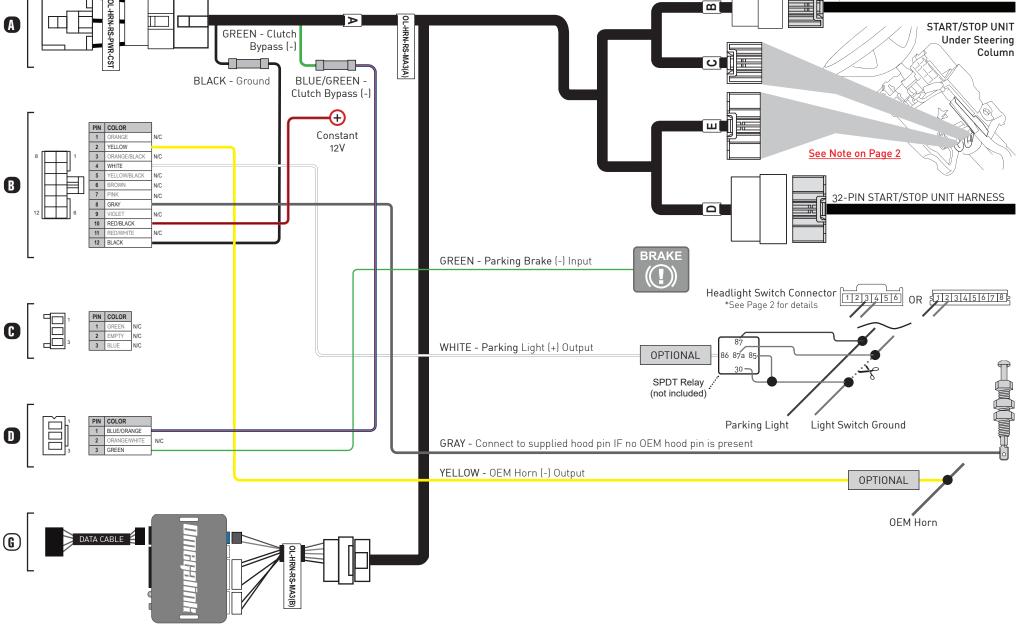
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Wire Location Chart Diagram #	2
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Make	Model	Trim	Year	ltem	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location		
				Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch		
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch		
Mazda	3	Push-to-Start Hatchback Manual	2014 - 2018	Horn	White	14	1	BLUE	[-]	Clock Spring Connector		
				Parking Brake	White	1	1	LT. BLUE	[-]	Base of Parking Brake		
				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch		
	_			Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch		
Mazda	3	Push-to-Start Sedan Manual	2014 - 2018	Horn	White	14	1	BLUE	[-]	Clock Spring Connector		
				Parking Brake	White	1	1	LT. BLUE	[-]	Base of Parking Brake		
		Push-to-Start Sedan Manual				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
			2014 - 2015	Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch		
Mazda	6			Horn	White	14	1	BLUE	[-]	Clock Spring Connector		
				Parking Brake	White	1	1	LT GREEN/RED	[-]	Parking Brake Switch		
		Push-to-Start Sedan Manual	2016-2017	Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch		
				Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch		
Mazda	6			Horn	White	14	1	BLUE	[-]	Clock Spring Connector		
				Parking Brake	White	12	12	LT. GREEN/RED	[-]	Parking Brake Switch		
				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch		
				Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch		
Mazda	6	Push-to-Start Sedan Manual	2018-2019	Horn	White	14	1	BLUE	[-]	Clock Spring Connector		
				Parking Brake	White	12	12	GRAY	[-]	Parking Brake Switch		
				Parking Lights	White	6	3	YELLOW	(-)	Headlight Switch		
				Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch		
Mazda	CX-5	Push-to-Start SUV Manual	2013 - 2019	Horn	White	14	1	PURPLE	(-)	Clock Spring Connector		
				Parking Brake			C	Covered Via Data				

#### **CRIME**STOPPER Omegalink **INSTALL GUIDE** Page 7 of 21 GUIDE ID: CGT\_MA3\_G6\_G5\_20210419 MODEL: OL-HRN-RS-MA3 RSX-G5 Diagram #2 24-PIN START/STOP UNIT HARNESS **m** ш HRN-RS-PWR-CST A OL-HRN-RS-MA3(A) A GREEN - Clutch Bypass (-) BLACK - Ground BLUE/GREEN -



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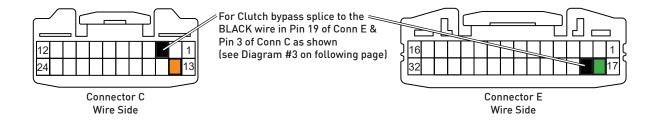
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### Wire Location Chart Diagram #3

Make	Model	Trim	Year	ltem	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
		Push-to-Start Convertible Manual	2016 - 2021	Parking Lights	White	8	1	BLUE	[-]	Headlight Switch
	NO( 5			Light Switch Ground	White	8	2	BLACK	[-]	Headlight Switch
Mazda	MX-5			Horn	White	14	1	PINK	[-]	Clock Spring Connector
				Parking Brake	White	1	1	RED/BLACK	(-)	Base of Parking Brake

### Harness Modification for Diagram #3 Installations

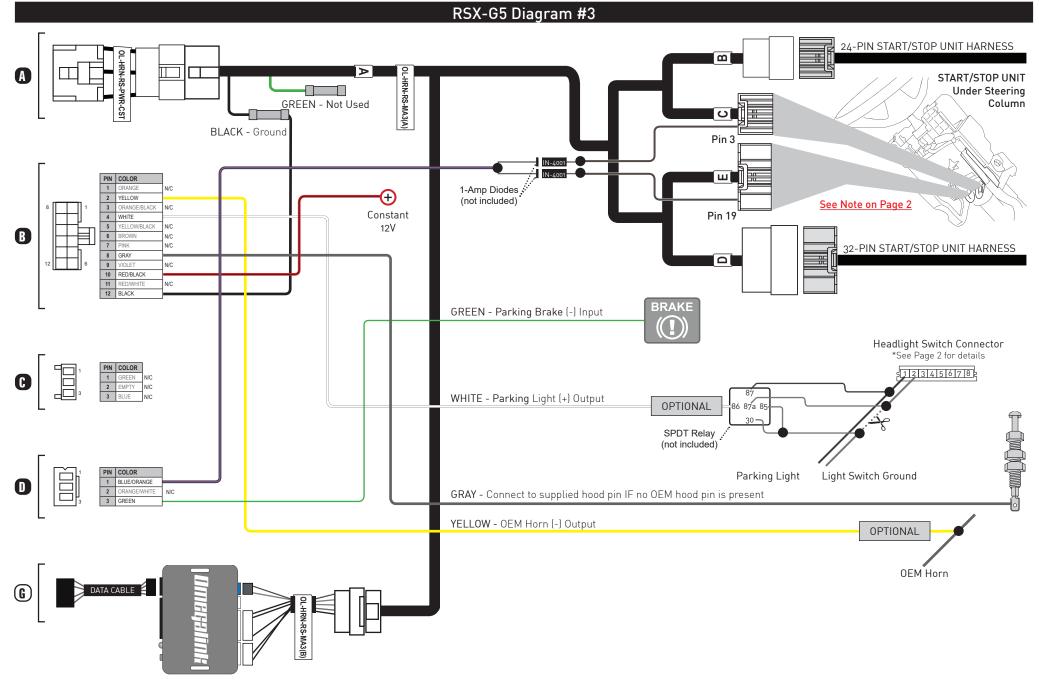


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RSX-G5 Optional Accessories

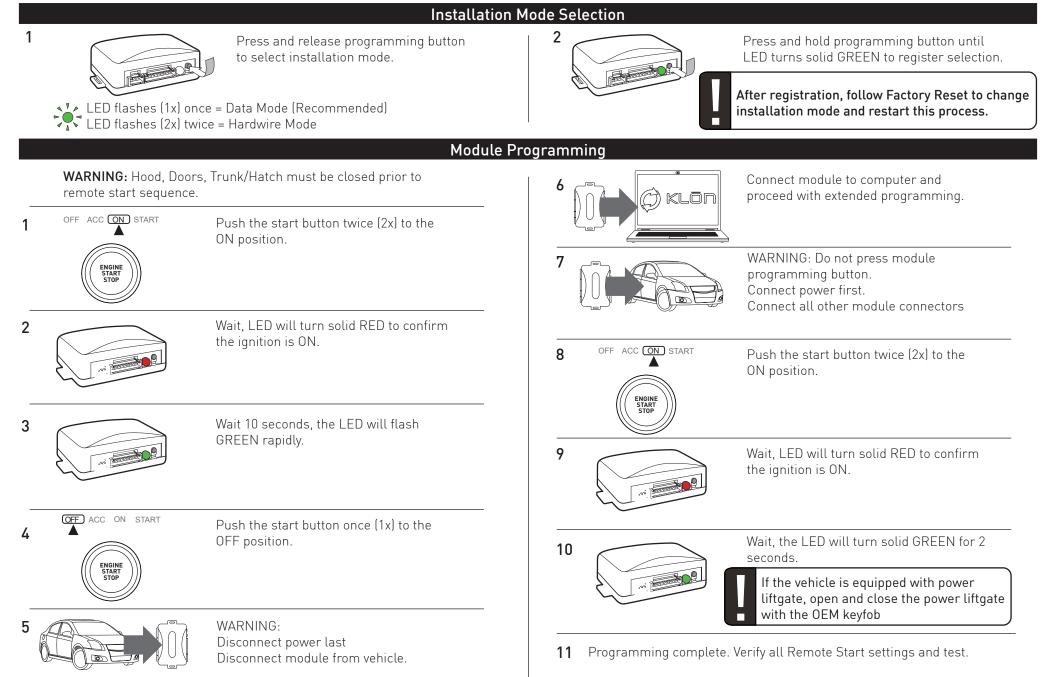


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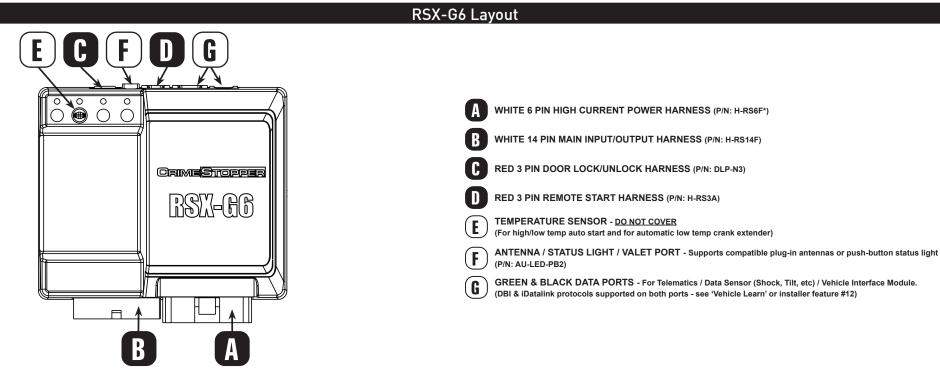
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### **RSX-G6 Installation Steps**

#### INSTALLATION STEPS:

- 1) Go to www.OmegaWeblink.com or use WebLink Mobile to flash the bypass module with the firmware matching the vehicle.
- NOTE: iDatalink 2-way protocol is recommended for full functionality.
- NOTE: If OEM remote is being used to activate the remote start be sure "Factory keyless RS sequence" is set to "Lock + Lock" OR "Lock + Unlock + Lock"
- 2) Make all the connections shown in the diagram on the following pages.
- 3) Connect any optional hardware as needed.
- 4) Select Data Mode and program the bypass module to the vehicle (see module programming instructions).
- 5) Perform Vehicle Learn to configure the remote start to match the vehicle.

#### NOTE: If Vehicle Learn is not performed remote start operation could fail.

6) Test the system for all desired functions.

**NOTE:** Any features NOT supported by the interface module must be hard wired from the remote start to the vehicle. Refer to the remote start install guide and vehicle wiring info at www. wiresheet.com (only available for authorized dealers) for instructions.

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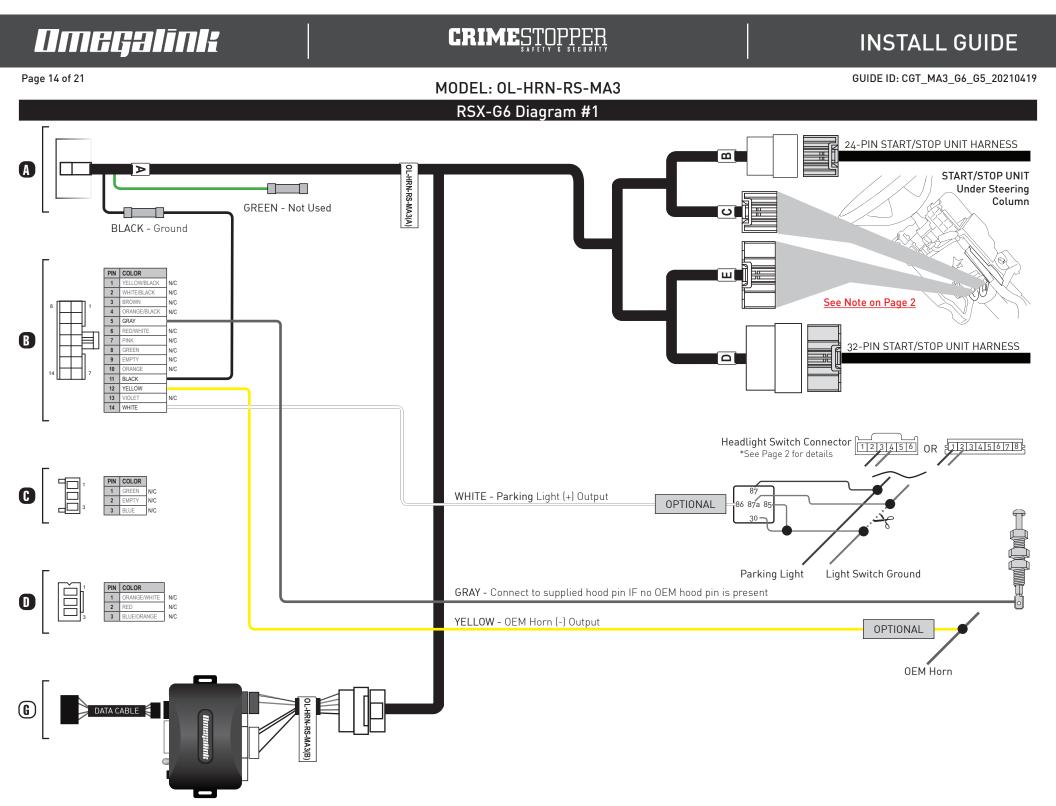
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## Wire Location Chart Diagram #1

Make	Model	Trim	Year	ltem	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
				Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	3	Push-to-Start Hatchback Automatic	2014 - 2018	Light Switch Ground	White	6	4	GREEN	[-]	In Headlight Switch Housing
		Automatic		Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	3	Push-to-Start Sedan Automatic	2014 - 2018	Light Switch Ground	White	6	4	GREEN	[-]	In Headlight Switch Housing
				Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	6	Push-to-Start Sedan Automatic	2014 - 2020	Light Switch Ground	White	6	4	GREEN	[-]	In Headlight Switch Housing
				Horn	White	14	1	BLUE	[-]	Clock Spring Connector
		Push-to-Start Sedan Automatic		Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	6		2021 - 2021	Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	BLUE	[-]	Clock Spring Connector
		Push-to-Start Hatchback Automatic	2016 - 2021	Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	CX-3			Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	PINK	[-]	Clock Spring Connector
		Push-to-Start SUV Automatic		Parking Lights	White	6	3	YELLOW	[-]	In Headlight Switch Housing
Mazda	CX-5		2013 - 2020	Light Switch Ground	White	6	4	GREEN	[-]	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	[-]	Clock Spring Connector
				Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	CX-5	Push-to-Start SUV Automatic	2021 - 2021	Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	PURPLE	[-]	Clock Spring Connector
				Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	CX-9	Push-to-Start SUV Automatic	2016 - 2021	Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	WHITE/BLACK	[-]	Clock Spring Connector
				Parking Lights	White	8	1	BLUE	[-]	In Headlight Switch Housing
Mazda	MX-5	Push-to-Start Convertible Automatic	2016 - 2021	Light Switch Ground	White	8	2	BLACK	[-]	In Headlight Switch Housing
				Horn	White	14	1	PINK	[-]	Clock Spring Connector



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## Wire Location Chart Diagram #2

Make	Model	Trim	Year	ltem	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
			004/ 0040	Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
Mazda	3	Push-to-Start Hatchback Manual	2014 - 2018	Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Brake	White	1	1	LT. BLUE	(-)	Base of Parking Brake
				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch
Mazda	3	Push-to-Start Sedan Manual	2014 - 2018	Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Brake	White	1	1	LT. BLUE	[-]	Base of Parking Brake
		Push-to-Start Sedan Manual		Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
			2014 - 2015	Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
Mazda	6			Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Brake	White	1	1	LT GREEN/RED	[-]	Parking Brake Switch
		Push-to-Start Sedan Manual	2016-2017	Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch
Mazda	6			Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Brake	White	12	12	LT. GREEN/RED	[-]	Parking Brake Switch
				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	[-]	Headlight Switch
Mazda	6	Push-to-Start Sedan Manual	2018-2019	Horn	White	14	1	BLUE	[-]	Clock Spring Connector
				Parking Brake	White	12	12	GRAY	[-]	Parking Brake Switch
				Parking Lights	White	6	3	YELLOW	[-]	Headlight Switch
				Light Switch Ground	White	6	4	GREEN	(-)	Headlight Switch
Mazda	CX-5	Push-to-Start SUV Manual	2013 - 2019	Horn	White	14	1	PURPLE	[-]	Clock Spring Connector
				Parking Brake			C	Covered Via Data		

#### Omegalink **CRIME**ST **INSTALL GUIDE** Page 16 of 21 GUIDE ID: CGT\_MA3\_G6\_G5\_20210419 MODEL: OL-HRN-RS-MA3 RSX-G6 Diagram #2 24-PIN START/STOP UNIT HARNESS **m** A A OL-HRN-RS-MA3(A) START/STOP UNIT Under Steering GREEN - Clutch Column Bypass (-) BLUE/GREEN -Clutch Bypass (-) BLACK - Ground PIN COLOR ш N/C N/C HITF/BLACK See Note on Page 2 3 N/C N/C 4 RANGE/BLACK 5 GRAY N/C 6 RED/WHITE B N/C 7 PINK 32-PIN START/STOP UNIT HARNESS 8 GREEN Δ 9 EMPTY N/C N/C 10 ORANGE 11 BLACK 12 YELLOW 13 VIOLET 14 WHITE N/C BRAKE GREEN - Parking Brake (-) Input Headlight Switch Connector 123456 OR See Page 2 for details PINCOLOR1GREEN2EMPTY WHITE - Parking Light (+) Output OPTIONAL 86 87a 85 30 -SPDT Relay (not included) Parking Light Light Switch Ground PIN COLOR GRAY - Connect to supplied hood pin IF no OEM hood pin is present ORANGE/WHITE N/C 2 N/C

YELLOW - OEM Horn (-) Output

**OEM** Horn

OPTIONAL

3 BLUE/ORANGE

DATA CABLE

HRN-RS-MA3(B

**G** 

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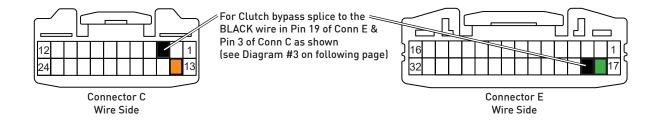
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### Wire Location Chart Diagram #3

Make	Model	Trim	Year	ltem	Connector Color	Connector Pins	Pin #	Wire Color	Polarity	Location
		Push-to-Start Convertible Manual	2016 - 2021	Parking Lights	White	8	1	BLUE	(-)	Headlight Switch
N 1				Light Switch Ground	White	8	2	BLACK	[-]	Headlight Switch
Mazda	MX-5			Horn	White	14	1	PINK	(-)	Clock Spring Connector
				Parking Brake	White	1	1	RED/BLACK	[-]	Base of Parking Brake

### Harness Modification for Diagram #3 Installations

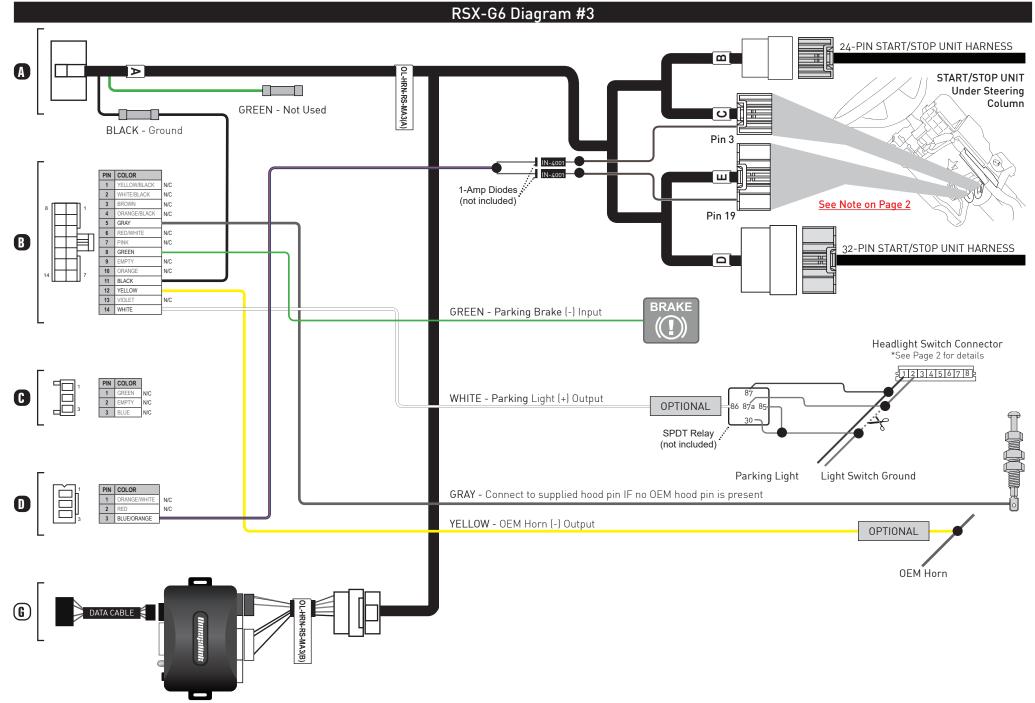


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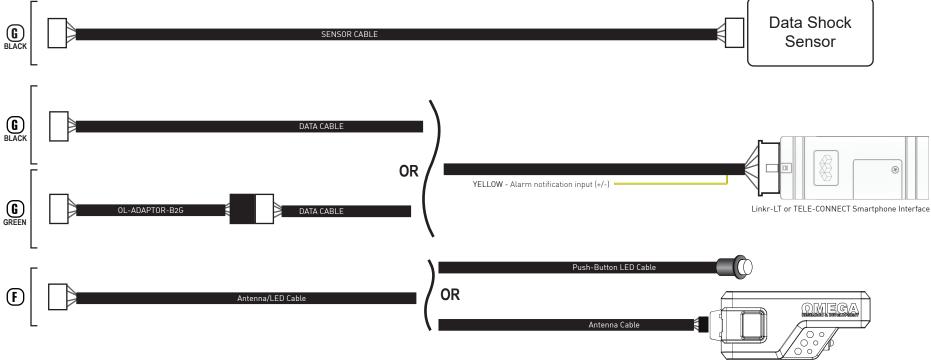


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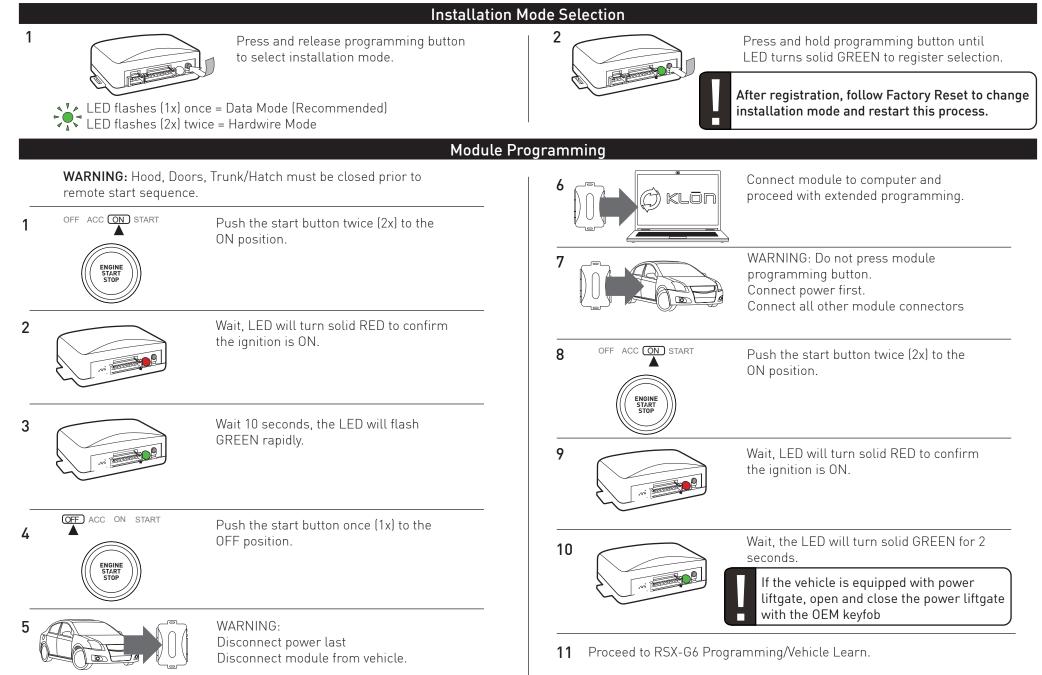


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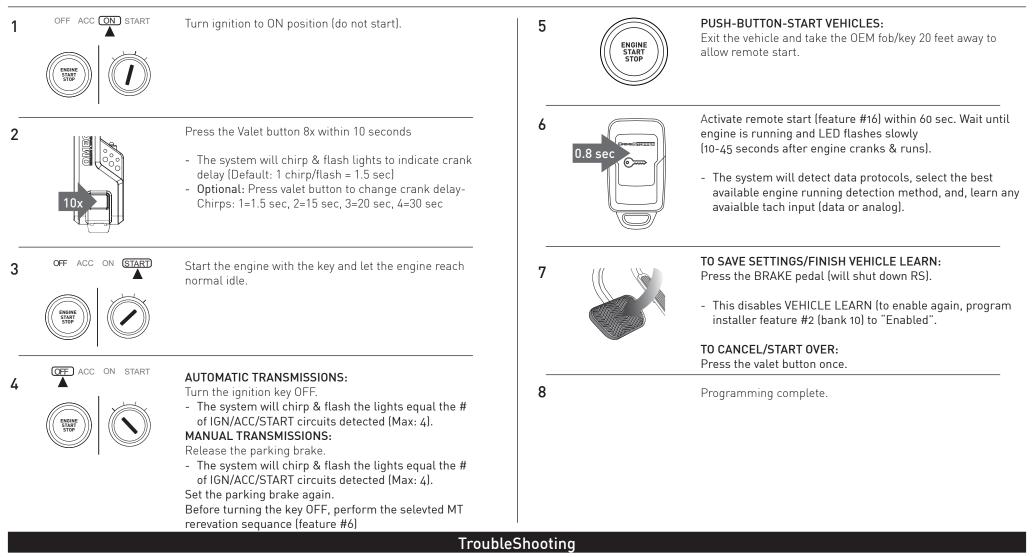
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#### RSX-G6 Programming/Vehicle Learn

#### Before You Begin:

- Make sure all wires/harnesses are connected.
- Program the bypass module to the vehicle per the instructions on the previous pages.
- Connect any additional accessories/modules to the data ports.
- MANUAL TRANSMISSION VEHICLES ONLY: Change feature #6 to desired setup process. Connect the GREEN wire to the vehicles parking brake and set the parking brake.



- See system installation guide for remote start diagnostics and troubleshooting.
- See OmegaLink module/firmware guide at www.wiresheet.com for interface module diagnostics and troubleshooting.